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(54) **PROTEIN INTERACTOR DETECTION SYSTEMS**

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(57) **ABSTRACT**

Provided herein are systems, methods and reagents for determining interactors (proteins or nucleic acids) that interact with a protein of interest. The subject system, methods and reagents advantageously allow for the identification of weak and transient protein-protein interactions. Such subject system, methods and reagents are useful, for example, for the determination of specific protein-interactor interactions that exist in particular diseases. Determination of these differences is useful, for example, in the drug development for the treatment of such diseases.

**Specification includes a Sequence Listing.**